

Characteristics

DGM / SG - T is an earthenware, suitable for (pressure) casting.
 Moisture expansion 1060 °C: 0,04 %
 Available as blended powder.

Firing Colour	white
Recommended Firing Temperature Range	1000 - 1150 °C

Technical Data

Unfired

Moisture	0,8%	powder						
Chemical Analysis	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O
	66,0%	1,00%	20,6%	0,80%	7,50%	0,40%	3,20%	0,50%
Loss of Ignition	10,5%							
Wet to Dry Shrinkage	2,5%	casting						

Fired

Specimen Firing Temperature [°C]	1040	
Coefficient of Thermal Expansion [x10 ⁻⁶ /°C]		
	20 - 400 °C	6,6
	20 - 500 °C	7,0
	20 - 600 °C	8,3
Dry to Fired Shrinkage [%]	0,1	
Water Absorption [%]	21,0	



Casting Advice

Dolaflux B 11 : Giessfix 162	1 : 2		
Optimum Amounts	0,23%	-	0,26%
First deflocculant and afterwards, add the powder under slow stirring to the water.			
Specific Weight to Achieve	1780	-	1790 g/l
Pressure Casting	1790	-	1830 g/l
DGM / SG - T needs about 42 l water per 100 kg powder to achieve s.w. of 1780 g / l.			
Test the casting advice in own production first remembering the mentioned amounts are depending			

- use the right amount of deflocculant to achieve optimum casting time
- if castthickness is too small, use less deflocculant
- don't use more than 10 - 15 % of scrap (above the fresh made slip)

The technical data quoted on this sheet is indicative only. Any sale is by sample and is governed by our general conditions of sale.



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